

## **Chapter 15**

# ***Preapproved Wall Appendix: Specific Requirements and Details for Nelson Walls***

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In addition to the general design requirements provided in **Appendix 15-A**, the following specific requirements apply to the design of the Nelson Wall:

No HITEC evaluation report is currently available for this wall system. However, in general, this wall system is used as a precast concrete substitute for the WSDOT Standard Plan Reinforced Concrete Cantilever Wall. The design procedures used for Nelson Walls are based on the AASHTO Standard Specifications for Highway Bridges (**2002**). Interim approval is given for the continued use of the AASHTO Standard Specifications as the basis for design.

The preapproved height for this wall system (28 ft) is less than the standard preapproved height of 33 ft for proprietary wall systems. Use of this wall system for heights greater than 28 ft requires approval by the State Bridge Design Engineer and the State Geotechnical Engineer.

Approved details for the Nelson Wall system are provided in the following plan sheets.

[illegible]





[illegible]





